

ABSTRACT

The present invention relates to radiation sources and a method for producing radiation sources. Embodiments of the present invention are directed to radiation sources that can be used to calibrate nuclear imaging equipment, such as flood sources. According to embodiments of the  
5 invention, the radiation source includes a outer housing that contains a substrate upon which a radioactive pattern is deposited. The radioactive deposit may be placed on the surface of the substrate in the form of a deposited solution and may be fixed to the surface of the substrate by, for example, a binding agent and/or a sealing layer. The deposited solution may also include a colorant to visually indicate the activity distribution of the radioactive deposit.